

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

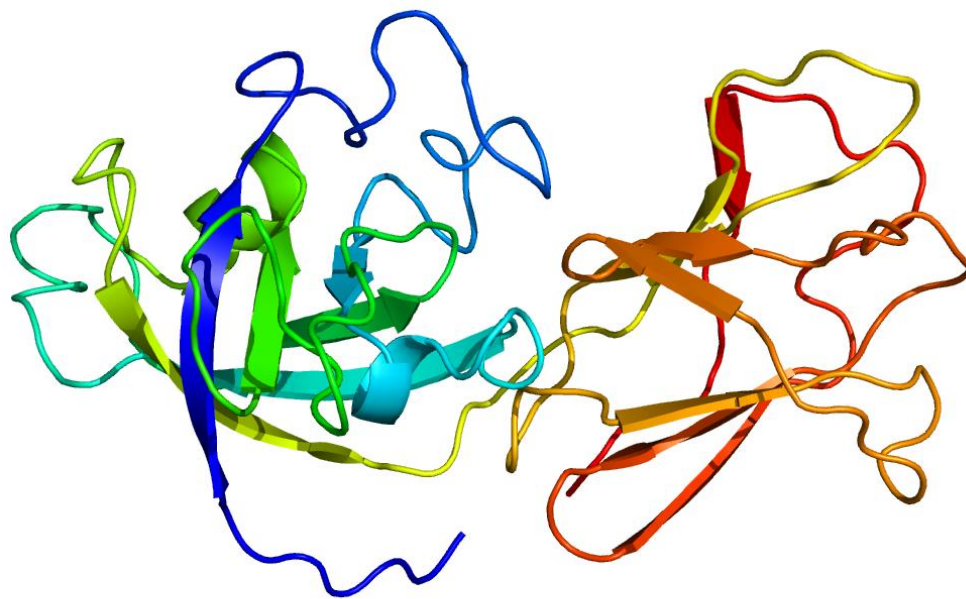
**Locus:** Misin02G209000

**Gene Model:** Misin02G209000.1.p

**Description:** McsEXPA-15

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

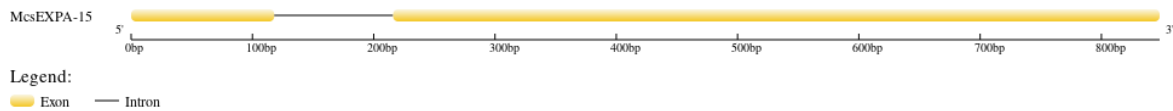
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

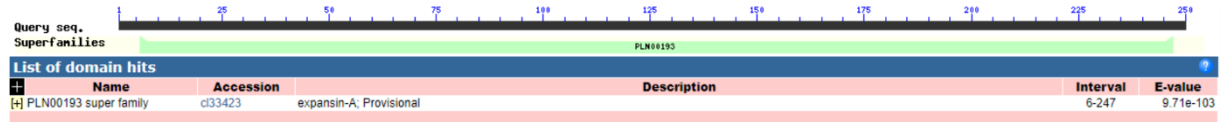
## EXTERNAL RESOURCES

<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-15

MNRSLLLCVAFSAACLALAAAGWSPGTATFYGGPDGSGTMGGACGYDNLNAGYGV  
NNAALSSTLFNDGASCGQCYLITCDTSRPGGQCKPGYSITVSATNLCPANYALPNGG  
WCGPGRPHFDMSQPAWENIGIYGAGIIPVLYQQVKCSRTGGVRFISIAGSQYFLLVNIQ  
NLAGSGSVGAAWVKGDNTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGGQYI  
QLLNVVPGWWQFGQTYTTTQNFYY\*

### CDS (coding sequence)

>McsEXPA-15

ATGAACAGGTCCCTGATTTTGTGCGTAGCCTTCTCGGCGTGCCTAGCGCTCGCCGC  
CGCGGGCTGGTCTCCCGGCACCGCCACGTTCTACGGAGGACCCGACGGCTCCGGC  
ACCATGGGTGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGTC  
ACAATGCGGCGCTGAGCTCAACGCTGTTCAACGACGGCGCGTCGTGCGGGCAG  
TGCTACCTCATCACCTGCGACACGTCACGTCCGGGCGGCCAGTCCTGCAAGCCGG  
GCTACTCCATCACGGTGTCCGCCACCAACCTGTGCCCGGCCAACTACGCGCTCCC  
CAATGGCGGGTGGTGC GGCCCGGGCCGGCCCCACTTCGACATGTCGCAGCCGGC  
GTGGGAGAACATCGGCATCTACGGCGCCGGCATCATCCAGTCCTGTACCAGCAG  
GTCAAGTGCTCGCGCACCGGCGGGCTGCGCTTCAGCATCGCCGGCTCCCAGTATT  
TCCTGCTCGTCAACATCCAGAACCTCGCGGGCAGTGGCTCCGTGGGCGCCGCTG  
GGTGAAGGCGACAACACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAA  
CTGGCAGGCGCTCGCTGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTGACCAGC  
ACAGGTGGGCAGTACATCCAGCTCCTCAACGTCGTGCCAGGATGGTGGCAGTTCG  
GACAGACCTACACCACAACCCAGAATTTCTACTACTAA

### Nucleotide

>McsEXPA-15

ATGAACAGGTCCCTGATTTTGTGCGTAGCCTTCTCGGCGTGCCTAGCGCTCGCCGC  
CGCGGGCTGGTCTCCCGGCACCGCCACGTTCTACGGAGGACCCGACGGCTCCGGC  
ACCATGGGTAAGCAAAGCTCTTAATAATTGTACATTGCATCCATTGATTCTAGCG  
CAAGAGCTATGCACATTTTGCTAACTGCGAGCATGCACGTACCAATGCAGGTGGC  
GCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGTCAACAATGCGGGC  
CTGAGCTCAACGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACCTCATCA

CCTGCGACACGTACGTCCGGGCGGCCAGTCCTGCAAGCCGGGCTACTCCATCAC  
GGTGTCCGCCACCAACCTGTGCCC GGCCAACTACGCGCTCCCAATGGCGGGTGG  
TGCGGCCCGGGCCGGCCCCACTTCGACATGTCGCAGCCGGCGTGGGAGAACATC  
GGCATCTACGGCGCCGGCATCATCCAGTCCTGTACCAGCAGGTCAAGTGCTCGC  
GCACCGGCGGGCGTGCCTTCAGCATCGCCGGTCCCAGTATTCCTGCTCGTCAA  
CATCCAGAACCTCGCGGGCAGTGGCTCCGTGGGCGCCGCCTGGGTGAAAGGCGA  
CAACACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGCAGGCGCT  
CGCTGGGCTCGTCGGCCAGGGGCTCAGCTTCGCCGTGACCAGCACAGGTGGGCA  
GTACATCCAGTCCTCAACGTCGTGCCAGGATGGTGGCAGTTCGGACAGACCTAC  
ACCACAACCCAGAATTTCTACTACTAA